WHAT IS CLAIMED IS:

1	1. A method of shielding and grounding a cable, the method comprising:		
2	providing conductive leads encapsulated within a dielectric layer;		
3	applying a metallized layer around the dielectric layer; and		
4	coupling a metallized thermoform connector to the metallized layer, wherein		
5	the metallized thermoform can be electrically coupled to a grounded housing.		
1	2. The method of claim 1 further comprising covering the metallized		
	the mountained		
2	layer with an insulating layer, wherein a portion of the metallized layer is exposed through		
3	the insulating layer so as to allow the metallized thermoform connector to electrically contact		
4	the metallized layer.		
1	The method of claim 1 wherein applying comprises thermally		
2	vaporizing the metallized layer onto the dielectric.		
l	4. The method of claim 3 wherein thermally vaporizing comprises		
2	depositing the metallized layer having a thickness between approximately one-tenth micron		
3	and twelve microns.		
1	5. The method of claim 1 further comprising contacting at least one of the		
2	conductive leads with the metallized layer.		
4	conductive leads with the metanized layer.		
l	6. The method of claim 1 wherein the metallized thermoform can be		
2	removably attached over a connector pin assembly that attaches the conductive leads to the		
3	housing.		
l	7. The method of claim 1 wherein the metallized thermoform is		
2	metallized on at least one of an inside surface and an outside surface.		
l	8. The method of claim 1 wherein coupling comprises snap fitting or		
2	interference fitting the metallized thermoform over the metallized layer.		
l	9. The method of claim 1 wherein the metallized thermoform comprises		
2	bumps to create contact between metallized layer and the thermoform.		

1	l 10. Th	ne method of claim 9 wherein the bumps are spaced no farther than			
2	one half a wavelength of	the EMI radiation and have a height of no larger than one half a			
3	wavelength of the EMI radiation.				
1	11. A	shielded cable comprising:			
2	2 a cable bo	dy comprising electrical conductors disposed within an insulating			
3	3 substrate;				
4	a vacuum	metallized shielding layer disposed over the insulating substrate,			
5	5 and				
6	a metalliz	ed thermoform connector coupled to an end portion of the cable			
7	body and electrically cou	body and electrically coupled to the vacuum metallized layer, wherein the connector can be			
8	electrically coupled to a grounded housing so as to ground the shielding layer and connector.				
1	12. Th	ne cable of claim 11 further comprising an insulating top coating			
2	disposed over the vacuur	n metallized layer to insulate the vacuum metallized layer.			
1	13. Th	ne cable of claim 12 wherein the insulating top layer extends to a			
2 .	2 point short of the connec	tor such that the connector is electrically coupled to the metallized			
3	B layer.				
1	14. Th	ne cable of claim 11 wherein the vacuum metallized layer has a			
2	2 thickness between appro-	thickness between approximately one-half micron to twelve microns.			
1	l 15. Th	ne cable of claim 11 wherein the metallized thermoform is coupled to			
2	an outsize surface of a nonconductive connector.				
1	16. Th	ne cable of claim 11 wherein the connector further comprises spaced			
2	protrusions, wherein the	protrusions, wherein the connector is electrically coupled to the metallized layer with the			
3	spaced protrusions.				
1	l 17. Th	ne cable of claim 16 wherein the spaced protrusions have a height			
2	and spacing between an adjacent protrusion that is no larger than one-half a wavelength of a				
3	released radiation.				
1	18. A	method of shielding a cable from EMI and RFI radiation, the method			
2) comprising				

3	providing conductive leads disposed within a dielectric;			
4	thermally vaporizing a metallized layer around the dielectric; and			
5	grounding the metallized layer to a grounded housing.			
1	19. The method of claim 18 wherein grounding compris	ses electrically		
2	coupling the metallized layer to the grounded housing with a metallized thermoform			
3	connection assembly.			
i	20. The method of claim 18 wherein thermally vaporizi	ng comprises		
2	maintaining the temperature of the dielectric below approximately 150°F.			
1	21. The method of claim 18 wherein thermal vaporizing	; comprises		
2	creating a substantial uniform metallized layer on the dielectric.			
1	22. A shielded cable comprising:			
2	a conductive lead encapsulated within a dielectric;			
3	a polymer layer surrounding the dielectric;			
4.	a metallized layer surrounding the polymer layer; and			
5	a insulative coating disposed around the metallized layer.			
1	23. The shielded cable of claim 22 wherein the metalliz	ed layer is		
2	thermally evaporated over the polymer layer so as to create a substantially uniform thickness			
1	24. The shielded cable of claim 22 further comprising a	base coating		
2	disposed between the metallized layer and the polymer layer, wherein the	base coating		
3	improves adherence of the metallized layer to the polymer layer.			
1	25. The shielded cable of claim 22 wherein the polymer	layer comprises a		
2	thermoformable material.			
1	26. The shielded cable of claim 22 further comprising a	n electrically		
2	conductive connector that is electrically coupled to the metallized layer, wherein the			
3 :				
1	27. The shielded cable of claim 27 wherein the electrical	lly conductive		
2	Connector comprises a metallized thermaform			

ı	28. The shielded cable of claim 27 wherein the metallized thermoform		
2	comprises a first body and a second body.		
1	29. A method of shielding a cable, the method comprising:		
2	providing a conductive lead disposed within a dielectric;		
3	encapsulating the dielectric with a polymer coating;		
4	coupling a metallized layer around the polymer coating; and		
5	insulating the metallized layer.		
1	30. The method of claim 29 wherein coupling comprises applying a base		
2	coating to the polymer to increase adhesion of the metallized layer.		
1	31. The method of claim 29 wherein coupling comprises thermally		
2	vaporizing the metallized layer onto the dielectric.		
1	32. The method of claim 29 further comprising grounding the metallized		
2	layer to a ground with a metallized thermoform.		
1	33. A cable shield for shielding a cable body, the shield comprising:		
2	a thermoform body comprising an inner surface and outer surface, the		
3	thermoform body sized and shaped to surround the cable; and		
4	a metal layer disposed along one of the inner surface and outer surface.		
1	34. The cable shield of claim 33 further wherein the thermoform body		
2	comprises a first body and a second body.		
l	35. The cable shield of claim 34 wherein the first body and second body		
2	are coupled together with a clamp.		
1	36. The cable shield of claim 33 wherein the thermoform body comprise		
2	at least one of ribs, cutouts, and corrugation to facilitate flexing of the thermoform body.		
l	37. The cable shield of claim 33 wherein the metallized layer is disposed		
2	along the outer surface of the thermoform body, the shield further comprising an insulating		
3	layer disposed over the metal layer.		

l	38. The cable shield of claim 33 wherein the metallized thermoform			
2	comprises an integral connector at an end of the thermoform body, wherein the integral			
3	connector can shield a connector pin assembly of the cable.			
1	39. A method of shielding a cable, the method comprising:			
2	providing a cable body having a body and at least one connector pin assembly			
3	placing a metallized thermoform around the cable body and connector pin			
4	assembly;			
5	grounding the metallized thermoform.			
1	40. The method of claim 39 wherein placing comprises snap fitting the			
2	metallized thermoform around the cable body			